

NMMSS Program Organizational Change

On October 1, 2010, the NMMSS program moved organizationally from the Department of Energy's Office of Health, Safety and Security (HSS) to the National Nuclear Security Administration's (NNSA) Office of Nuclear Materials Integration (NA-58). The benefits associated with moving NMMSS to NNSA are numerous. NNSA is the Government's largest supplier and user of NMMSS data and NA-58 in particular possess a broad perspective of nuclear materials management and information needs.

For the most part, the transition to NNSA has been transparent to the majority of NMMSS users. Peter Dessaulles (Department Of Energy) and Brian Horn (Nuclear Regulatory Commission) continue as NMMSS program managers and the rest of the NMMSS team remains intact. However, because of the reorganization, the NMMSS surface and overnight mailing addresses have recently been changed to reflect the new organization. **Please use the new mailing addresses effective immediately (see page 6).** Thank you again for your continued support of the NMMSS program.

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Upcoming NMMSS I Training Course for DOE

The DOE NMMSS I (MCA-112) training course has been scheduled at the NTC in Albuquerque, NM for February 15-18, 2011. This course is designed to help personnel who have fewer than two years experience in nuclear materials accounting. Prerequisites for the class are successful completion of two computer-based training courses: Introduction to Nuclear Materials Control and Accountability (MCA-101DC) and Transaction Data System (MCA-103DC).

A minimum of 6 will be required to conduct the class. There will be no training fees for DOE personnel or DOE contractors. Other persons must pay a training fee.

Contact John Ballard at 301-903-0092 or by email at John.Ballard@hq.doe.gov with questions or to reserve a spot in the class. Students will also be required to register for the class with the NTC at www.ntc.doe.gov.

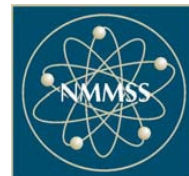
NMMSS Training Course for NRC Licensees

NMMSS training for NRC Licensees is being planned for March 22 - 24, 2011, at DOE Headquarters, in Germantown, MD. This course is designed for individuals with limited experience in NRC reporting requirements, and is based on NUREG/BR-0006, Rev. 7 and NUREG/BR-0007, Rev. 6. The following topics, among others, will be included:

- Completion of data forms: transactions, inventory and material balance
- Inventory reconciliation
- Foreign Obligations reporting
- Report Products

The desired class size is 10 or less. A minimum of 6 will be required to conduct the class. You may register for the class by contacting John Ballard at 301-903-0092, or by email at John.Ballard@hq.doe.gov. Be sure to include your name, nationality, job title, facility name, address, telephone number and email address. There is no cost for this course.

If interested, please respond by February 28, 2011



Exports to Cuba, Iran, Iraq, North Korea, Syria and Sudan

NRC permits the export of NRC-controlled commodities through either a "General License" or a "Specific License". The NRC regulations authorizing general licenses are found in NRC regulations at 10 CFR §§110.21 through 110.26. A NRC General License cannot be used to export NRC-controlled commodities to an embargoed destination (Cuba, Iran, Iraq, North Korea, Syria or Sudan) which are found at NRC regulation 10 CFR §110.28. Shipments to a distributor or to a "middle man" in a non-embargoed destination do not relieve the exporter of the requirement to obtain a specific license for NRC-controlled commodities being exported to end users in embargoed destinations. Exporters must determine who the consignee or end user is for exports of any NRC-controlled commodities. If the consignee or end user is in an embargoed destination, NRC regulations require the exporter to apply for and obtain a specific NRC license authorizing the export of a specific commodity to a named ultimate consignee for a particular end use in the embargoed destination.

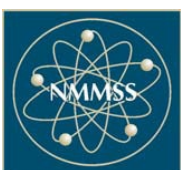
If you have questions about this article, please contact Ms. Brooke Smith at the Nuclear Regulatory Commission at 301-415-2347 or Brooke.Smith@nrc.gov.

Inventory Reminder to NRC and Agreement State Licensees:

All licensees possessing one gram or more of special nuclear material (i.e., plutonium, U-233 or U-235 contained in enriched uranium) and/or one kilogram or more of foreign obligated source material (natural uranium, depleted uranium or thorium) are required to report their physical inventories of these materials to the NMMSS database each year.

- **Licensees who are authorized to possess five or more formula kilograms of strategic special nuclear material** (e.g., 5,000 grams of more of U-235 contained in uranium enriched to 20% or more) shall compile a report as of March 31 and September 30 of each year and file it with NMMSS within 30 days after the end of the period covered by the report. (see 10 CFR 74.13 & 74.51)
- **Licensees who are authorized to possess special nuclear material of moderate strategic significance** (e.g., less than 5,000 grams, but more than 1,000 grams of U-235 contained in uranium enriched to 20% or more) shall conduct a physical inventory at intervals not to exceed 9 calendar months, and file the inventory with NMMSS within 60 calendar days of the start of the inventory. (see 10 CFR 74.13, 74.41 & 74.43)
- **Licensees who are authorized to possess and use more than one effective kilogram of special nuclear material of low strategic significance** (e.g., 400 kilograms of 5% enriched uranium = 1 effective kilogram), shall conduct a physical inventory at least every 12 months and file their yearly inventory with NMMSS within 60 days of the start of the inventory. (see 10 CFR 74.13 & 74.31)
- **Uranium enrichment facilities** are to perform a total plant inventory of source and special nuclear material at least every 370 days and report their inventory to the NMMSS database each year. (see 10 CFR 74.13 & 74.33)
- **All other Licensees who possess, or had possessed** in the previous reporting period, **one gram or more of special nuclear material** are required to report their physical inventory to the NMMSS database no later than March 31 of each year. (see 10 CFR 74.13 & 150.17)
- **Licensees who possess, or had possessed** in the previous reporting period, **one kilogram or more of source material with foreign obligations**, shall document holdings as of September 30 of each year and submit a statement of foreign obligated source material holdings to NMMSS within 30 days. Alternatively, this information may be submitted with the licensee's reports of special nuclear material. (see 10 CFR 40.64 & 150.17)
- Licensees who are required to submit routine material status reports pursuant to 10 CFR Part 75.35 (pertaining to the implementation of the US/IAEA Safeguards Agreement) shall prepare and submit these reports only as provided to that section, instead of the above required time periods. (see 10 CFR 74.13)
- **Licensees who are authorized to possess more than 350 grams of special nuclear material** (e.g., plutonium, U-233 or U-235 contained in enriched uranium) shall conduct a physical inventory of all special nuclear material in its possess, at intervals not to exceed 12 months, and file their yearly inventory with NMMSS within 60 days of the start of the inventory. (see 10 CFR 74.13 & 74.19(c))

(cont. on pg 3)



Inventory Reminder to NRC and Agreement State Licensees: (cont.)

Reporting physical inventories require a licensee to complete and submit both a Material Balance Report (DOE/NRC Form-742) and Physical Inventory Listing (DOE/NRC Form-742c). These forms are on the NRC: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc742.pdf> and <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc742c.pdf>.

The NRC Commission may permit a licensee to submit the above reports at other times for good cause. Such a request must be made in writing and the licensee remains subject to the current reporting requirements until a variation is granted by the NRC.

Copies of the relative NRC regulations can be reviewed and downloaded from the following links:

- Requirements for NRC Licensees to report inventories of special nuclear material to NMMSS are found in 10 CFR Part 74.13: <http://www.nrc.gov/reading-rm/doc-collections/cfr/part074/part074-0013.html>
- Requirements for NRC Licensees to report inventories of source material to NMMSS are found in 10 CFR Part 40.64: <http://www.nrc.gov/reading-rm/doc-collections/cfr/part040/part040-0064.html>
- Requirements for Agreement State Licensees to report inventories of source material and special nuclear material to NMMSS are found in 10 CFR Part 150.17: <http://www.nrc.gov/reading-rm/doc-collections/cfr/part150/part10-0017.html>

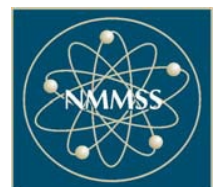
If, after reading all of the referenced materials, you desire additional clarification, please contact Brian Horn at the NRC for further assistance: Brian Horn, 301-492-3122, or brian.horn@nrc.gov.

NMMSS RIS Codes for URENCO Centrifuge Facilities

In response to a recent expression of interest from the industry, NRC and DOE reviewed the RIS codes associated with the three URENCO centrifuge enrichment facilities located in Europe. It was determined that several of these facilities had multiple NMMSS RIS codes assigned to them. As of October 1, 2010, all transactions involving the following three enrichment plants should be made with the associated single RIS code for that facility. A list containing the facility names and the corresponding RIS codes are included below.

Almelo, Netherlands	RNED
Capenhurst, United Kingdom	RUDL
Gronau, Germany	RGSC

If you have any questions about this change in reporting codes, please contact NMMSS staff for further clarification. The next update of the NMMSS "D-15" directory will reflect the above action.



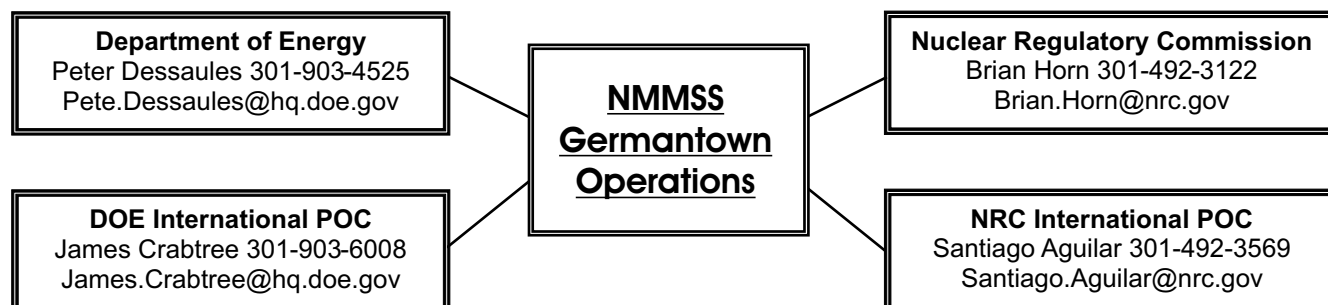
Establishing or Deactivating a RIS for NMMSS Reporting

DOE RIS

In order for a new DOE Reporting Identification Symbol (RIS) to be established in NMMSS, the requesting organization must contact their field element or site office. The field office will provide the required information to DOE Headquarters, NNSA's Office of Nuclear Materials Integration (NA-58) who will instruct NMMSS to assign the new RIS. The deactivation of the DOE RIS occurs when a facility's authorization to store/handle nuclear materials inventory is withdrawn. Before deactivation, all inventories must be removed to a balance of zero. Request for NMMSS deactivation of the RIS is sent from the field element or site office to NA-58. NA-58 will confirm with NMMSS that the nuclear material balance is zero and will instruct NMMSS to deactivate the RIS. For additional guidance on establishing a new DOE RIS, please contact John Ballard at John.Ballard@hq.doe.gov or 301-903-0092.

NRC RIS

In order for a new NRC or Agreement State Licensee RIS to be established by NMMSS, the requesting organization must contact Brian Horn at NRC Headquarters Brian.Horn@nrc.gov or 301-492-3122 who will instruct NMMSS to assign the new RIS. Before deactivation, all inventories must be removed to a balance of zero. A request for the deactivation of a NRC issued RIS must also be directed to Brian Horn. Prior to deactivation, the NRC will request confirmation from NMMSS that the nuclear material balance is zero, and will subsequently instruct NMMSS to deactivate the RIS. For additional guidance on establishing a new NRC RIS, contact Patricia Smith at PatriciaR.Smith@hq.doe.gov or 301-903-6860.

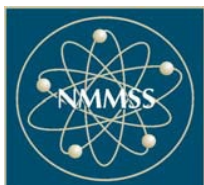


www.hss.energy.gov/nmmss

Telephone: 301-903-6251 Email: NMMSS@hq.doe.gov
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NMMSS TEAM:

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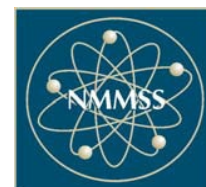
New Foreign Obligation Codes Added

Please be advised that a series of new obligation codes have been set up in the NMMSS and are available for use in facility reporting. The new codes all relate to activities related to the Washington Agreement and activities involving the LES Centrifuge Enrichment facility in Eunice, NM (YKO). The new codes are used for reporting transactional data on the DOE/NRC Form 741 and the DOE/NRC Form 742, Part B. Please refer to the current NMMSS Obligation Codes table below or to the NMMSS website for further information. For additional guidance, please contact Gary Hirsch at Gary.Hirsch@hq.doe.gov or 301-903-6870.

NMMSS Obligation Codes - Updated September 2010

Transaction Code	MB Code	Description
31	85	AUSTRALIA
32	86	CANADA
33	87	EURATOM*
34	88	JAPAN
35	89	PEOPLES' REPUBLIC OF CHINA
37	A8	SWITZERLAND
38	A1	ARGENTINA
39	A2	BRAZIL
40	A3	CHILE
70	B1	LES CENTRIFUGE ENRICHMENT/JAPAN
71	B2	AUSTRALIA/JAPAN/ LES CENTRIFUGE ENRICHMENT
72	B3	CANADA/JAPAN/ LES CENTRIFUGE ENRICHMENT
73	B4	EURATOM/JAPAN/ LES CENTRIFUGE ENRICHMENT
74	B5	AUSTRALIA/EURATOM/JAPAN/ LES CENTRIFUGE ENRICHMENT
75	B6	CANADA/EURATOM/JAPAN/ LES CENTRIFUGE ENRICHMENT
76	B7	CHINA/JAPAN/ LES CENTRIFUGE ENRICHMENT
77	A9	AUSTRALIA/CANADA/EURATOM/JAPAN/ LES CENTRIFUGE ENRICHMENT
81	94	AUSTRALIA/JAPAN
82	95	CANADA/JAPAN
83	96	EURATOM/JAPAN
84	97	AUSTRALIA/EURATOM/JAPAN
85	98	CANADA/EURATOM/JAPAN
86	99	CHINA/JAPAN
87	I1	AUSTRALIA/CANADA
88	I2	AUSTRALIA/CANADA/EURATOM
90	A4	LES CENTRIFUGE ENRICHMENT
91	91	AUSTRALIA/EURATOM
92	92	CANADA/EURATOM
93	A5	LES CENTRIFUGE ENRICHMENT/AUSTRALIA
94	A6	LES CENTRIFUGE ENRICHMENT/CANADA
95	A7	LES CENTRIFUGE ENRICHMENT/EURATOM
WR	93	FORMER SOVIET UNION WEAPONS

*Euratom is comprised of the following 27 member states: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Hungary, Latvia, Lithuania, Luxembourg, Malta, The Netherlands, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden and The United Kingdom



Transaction and Inventory Due Dates for DOE Sites

Reporting Month	Transactions Due	Inventory Due
October 2010	November 12	November 15
November 2010	December 10	December 15
December 2010	January 12	January 15
January 2011	February 10	February 15
February 2011	March 10	March 15

**NMMSS
OPERATIONS****HOLIDAY SCHEDULE**

Veterans Day – Nov. 11
Thanksgiving Day – Nov. 25
Christmas Day – Dec. 24

2011

New Years Day – Dec. 31
MLK Birthday – Jan. 17
Presidents Day – Feb. 21

UNCLASSIFIED/OVERNIGHT SURFACE MAIL ADDRESSES - October 2010 Update**UNCLASSIFIED**

Xavier Ascanio
Director, Office of Nuclear Materials Integration
NMMSS Program, NA - 58, Germantown Building
U.S. Department of Energy
1000 Independence Avenue, SW
Washington, DC 20585-1290

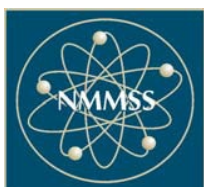
OVERNIGHT

Xavier Ascanio
Director, Office of Nuclear Materials Integration
U.S. Department of Energy
Attn: NMMSS Program, NA - 58
19901 Germantown Road
Germantown, MD 20874-1207

The NMMSS classified mailing address is available on the Safeguards and Security Information Management System (SSIMS) or by calling a NMMSS analyst. Identify Xavier Ascanio as recipient and NA-58 as the organization.

IMPORTANT: The “DO NOT X-RAY” marking does not prevent incoming packages from being sanitized. Please package CDs in cardboard rather than plastic casings. The plastic is heated by the sanitization machine, thereby warping the disk. There is less chance of this occurring if the data is packaged in cardboard.

For information on using the Classified Direct Link operations, contact Jim Crabtree, 301-903-6008 or James.Crabtree@hq.doe.gov.



NMMSS News is sponsored by the Department of Energy (POC: Pete Dessaulles; **Pete.Dessaulles@hq.doe.gov**, 301-903-4525) and the Nuclear Regulatory Commission (POC: Brian Horn; **Brian.Horn@nrc.gov**, 301-492-3122). General comments on this publication may be made by contacting Gregory Perry; **Gregory.Perry@hq.doe.gov**, 301-903-3656